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(71) Applicant: **MITSUBISHI PETROCHEM IND LTD**

(72) Inventor: **YUKIMUNE TAKAHITO**

(74) Representative:

(54) PRODUCTION OF TAXANE-TYPE DITERPENE

(57) Abstract:

PURPOSE: To produce the subject compound useful as treating agent for ovarian cancer, mammary cancer and pulmonary cancer on an industrial scale at a low cost by culturing a cultured cell or cultured tissue of a plant capable of producing a taxane-type diterpene in a medium containing Li ion and recovering the product from the cultured material.

CONSTITUTION: A part such as stalk of a plant capable of producing a taxane-type diterpene (e.g. *Taxus baccata*, a kind of yew tree) is sterilized and placed on a solid medium incorporated with naphthaleneacetic acid and subjected to static culture at 25°C to obtain a callus. The callus is transferred to a well containing a liquid medium, cultured by spinning culture on a rotary shaker and subcultured every 28 days to increase the growth rate of the callus and obtain cultured cells. The cultured cell or cultured tissue is transferred into a well containing a liquid medium incorporated with lithium chloride in an amount to get a lithium ion concentration of $\geq 0.01\text{mM}$

And cultured under shaking at 25°C for 28 days to easily obtain a large amount of taxane-type diterpene (e.g. taxol) useful as a treating agent, etc., such as an agent for the treatment of ovarian cancer, mammary cancer and pulmonary cancer.

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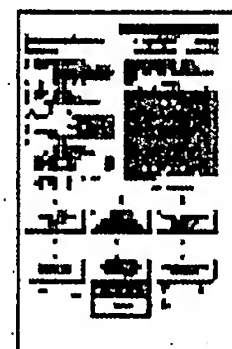
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[News, Profiles, Stocks and More about this company](#)Published / Filed: **Oct. 21, 1994 / April 8, 1993**Application Number: **JP1993000082129**IPC Code: **C12P 17/02; A61K 31/335; C12P 17/02;**Priority Number: **April 8, 1993 JP1993000082129**

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Family:

PDF	Publication	Pub. Date	Filed	Title
	JP6292588A2	Oct. 21, 1994	April 8, 1993	PRODUCTION OF TAXANE-TYPE DITERPENE
	JP3144947B2	March 12, 2001	April 8, 1993	
2 family members shown above				

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